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ABSTRACT OF THE DISCLOSURE

A process for the production of a product comprising a carboxylic acid having $n + 1$ carbon atoms which process comprises reacting in the liquid phase at elevated temperature and pressure a composition comprising an alcohol having n carbon atoms and/or a reactive derivative thereof, a halogen and/or a halogen compound promoter, water and carbon monoxide in the presence of hydrogen and a heterogeneous catalyst comprising a Group VIII noble metal species on a polymeric resin having a functional group selected from nitrogen-containing heterocycles.

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